

On page 4, before the paragraph beginning on line 19, please add the following heading:

--DETAILED DESCRIPTION OF THE INVENTION--

IN THE CLAIMS:

Please cancel claim 3 without prejudice or disclaimer

Please amend the remaining claims as follows:

sub D1
1. (Amended) A part for a fuel system of a motor vehicle, said part being adapted to come into contact with hydrocarbons, said part comprising a body made of a non-metallic material; and a polytetrafluoroethylene coating deposited on a surface of said body to make said part substantially impermeable to hydrocarbons; wherein the coating has a thickness of from about 10 to about 30 μm .

2. (Amended) The part according to Claim 1, wherein the polytetrafluoroethylene coating covers the surface adapted to come into contact with hydrocarbons.

sub D2
B7 4. (Twice Amended) The part according to Claim 1, wherein said body is made of plastic.

5. (Twice Amended) The part according to Claim 1, wherein said body is made of rubber.

sub D3
B8 6. (Amended) A method of making a part for a fuel system of a motor vehicle, said part being adapted to come into contact with hydrocarbons, said method comprising the steps of: preparing a non-metallic body of said part; and depositing a polytetrafluoroethylene coating on at least a surface of said body.

sub B6
7. (Amended) The method according to Claim 6, wherein the polytetrafluoroethylene coating is deposited by spraying a liquid polytetrafluoroethylene.

B9 sub 124
8. (Twice Amended) The method according to Claim 6, wherein the polytetrafluoroethylene coating is formed by depositing a deposited substance which comprises particles of polytetrafluoroethylene, one or more solvents and a bonding agent.

B10 sub D5
9. (Amended) The method according to Claim 8, wherein the deposited substance also comprises a pigment to colour the polytetrafluoroethylene coating.

B11 sub D6
10. (Twice Amended) The method according to Claim 6, wherein said part is a tubular part, said depositing comprising the step of spraying, by means of a spray nozzle, a liquid polytetrafluoroethylene onto an internal wall of the tubular part while the spray nozzle and the tubular part are being given a relative translational and rotational movement.

✓
Please add new claims as follows:

sub D7
-- 11. The part of claim 1, wherein said body is made of an elastomer.

12. The part of claim 1, wherein said body is a pipe and the coating is formed on an outer surface of said pipe.

B12
13. The part of claim 1, wherein said body is an O-ring having an outer perimeter and an inner perimeter.

14. The part of claim 13, wherein the O-ring has a circumferential groove extending along the outer perimeter.

15. The part of claim 13, wherein the coating is formed on an entire exposed surface of said O-ring except in a region of said circumferential groove.

16. The part of claim 1, wherein said body is made of nitrile PVC.

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17. The part of claim 1, wherein said part is a valve having said body configured as a valve membrane made of an elastomer sheet, the coating is formed on said valve membrane.

18. The method of claim 6, wherein said preparing comprises molding said body from rubber or plastic.

19. The method of claim 6, wherein said coating is deposited in a thickness of from about 10 to about 35 μm .

20. The method of claim 6, wherein said body is made from an elastomer.

21. The method of claim 6, wherein said body is formed as a pipe and said depositing comprising forming said coating on an outer surface of said pipe.

22. The method of claim 6, wherein said body is formed as an O-ring having outer and inner perimeters and a circumferential groove extending along the outer perimeter, said depositing comprising

holding said ring at said circumferential groove; and
spraying, by means of a spray nozzle, a liquid polytetrafluoroethylene onto an exposed surface of said ring.

23. The method of claim 22, wherein said depositing further comprises rotating said ring and moving said spray nozzle back and forth through a center of said ring during said spraying.

24. The method of claim 6, wherein the polytetrafluoroethylene coating is formed by depositing a deposited substance which comprises particles of polytetrafluoroethylene and at least one solvent, said method further comprising, after said depositing, the steps of
removing said solvent from said surface of said body; and
baking the coating so that the particles of polytetrafluoroethylene agglomerate together.

25. The method of claim 24, wherein said removing comprises evaporating said solvent

at about 60°C, and said baking is performed at about 150°C.

26. The method of claim 25, wherein said body is prepared from a plastic material having a softening point that is higher than about 180°C.

27. A fuel system for a motor vehicle, comprising a plurality of parts together defining an interior of said fuel system for at least one of containing and transferring hydrocarbons, at least one of said parts having a surface exposed to said interior of said fuel system;

said part comprising a body and a polytetrafluoroethylene coating deposited on said surface of said body to make said part substantially impermeable to hydrocarbons;

wherein the coating has a thickness of from about 10 to about 30 μm .

28. The fuel system of claim 27, wherein said body is made of a non-metallic material.

29. The fuel system of claim 28, wherein said non-metallic material is an elastomer.

30. The fuel system of claim 28, wherein said body is made of rubber or plastic.

31. The fuel system of claim 27, wherein said body is a pipe and the coating is formed on an outer surface of said pipe.

32. The fuel system of claim 27, wherein said body is an O-ring having outer and inner perimeters, and a circumferential groove extending along the outer perimeter, the coating is formed on an entire exposed surface of said O-ring except in a region of said circumferential groove.

33. The fuel system of claim 27, wherein said part is a valve having said body configured as a valve membrane made of an elastomer sheet, the coating is formed on said valve membrane. --

IN THE ABSTRACT:

Please substitute the following sheet for the originally filed Abstract.